CNC Learning and Support Tool for Customization

FANUC
CNC GUIDE
CNC Simulator
**CNC GUIDE**

CNC GUIDE is a PC software that enables the execution and display of what is equivalent to the actual CNC. One can learn how to operate CNC, check the machining program, confirm the operation of customization features.

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**CNC Simulator**

CNC simulator is a training device which uses the actual hardware. Learning CNC operation using actual CNC display, MDI key, manual pulse generator used in machining tools as well as programming, and checking the created machining program is possible.
**CNC GUIDE**

Development and debugging of custom screens and ladder programs can be effectively performed on the PC. As you can actually debug on a PC in the office before changing the customized software on the actual machining tool, it will improve efficiency of development work.

**FANUC PICTURE**
- Confirm the functionality of the screens created with FANUC PICTURE on the CNC GUIDE
- The executable screens confirmed on the CNC GUIDE can be loaded on the CNC without converting them

**C Language Executor**
- C language program for CNC is compiled for the PC and operation is checked on the CNC GUIDE
- Source code debugging using Visual Studio®

**PMC Simulation**
- Simulation of the ladder program performed on the PC
- Supports various functions such as Multi-path PMC and Function Block
- Debugging by FANUC LADDER-Ⅲ via Ethernet connection

**CNC GUIDE Education Package**

Possibility to perform CNC operation training on the PC.
It is possible to learn CNC operation without using the actual machining tool.
We provide classroom licenses for 16/32 students and single licenses for self-study at home for 1 or 3 years.

- Operation in MEM & MDI mode/Automatic operation
- Write the machining programs and machining cycles in EDIT mode
- Use of macro variables and system variables
- Operation by calling sub-programs and DNC
- Displays the same alarm as on the machine when errors occur
- Machining simulation (cutting animation, tool path drawing)

**CNC Simulator**

It is possible to operate and program CNC/ MANUAL GUIDE i (2) on the actual hardware and train with the same feeling of the operation as the machine tool.
Ideal for training those who have never used a machine tool.

- Immediately usable by connecting to the electrical outlet at the classroom or office
- Switch between machining center system and lathe system at power on operation
- It comes with standard MANUAL GUIDE i
- Easy to understand simple system configuration for beginners
- Equipped with the same manual pulse generator and emergency stop button as the real machine tool

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*1) Visual Studio® is a registered trademark or trademark in the United States and other countries of Microsoft Corporation of the United States.

*2) MANUAL GUIDE i is the operation guidance function that allows easy creation of a machining program.
There are the following 2 types of CNC GUIDE.
* CNC GUIDE (Creation and verification of the machining program)
* CNC GUIDE Education Package (Learning operation method)

There are the following 2 types of educational package.
* Intended for use in the classroom
* Intended for students for self-study at home

**Specification List**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 user</td>
<td></td>
</tr>
<tr>
<td>10 users</td>
<td>Possible for up to 10 people to use at the same time</td>
</tr>
<tr>
<td>20 users</td>
<td>Possible for up to 20 people to use at the same time</td>
</tr>
<tr>
<td>Site license</td>
<td>It can be used on business premises</td>
</tr>
<tr>
<td>Update</td>
<td></td>
</tr>
<tr>
<td>CNC GUIDE for 16 people</td>
<td>Possible for up to 16 people to use at the same time</td>
</tr>
<tr>
<td>CNC GUIDE for 32 people</td>
<td>Possible for up to 32 people to use at the same time</td>
</tr>
<tr>
<td>Self-study at home/1 year</td>
<td>Usage period is 1 year (1 user)</td>
</tr>
<tr>
<td>Self-study at home/3 years</td>
<td>Usage period is 3 years (1 user)</td>
</tr>
<tr>
<td>Update</td>
<td></td>
</tr>
</tbody>
</table>

**CNC Simulator**

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>External dimensions</td>
<td>421mm x 220mm x 608mm (w x d x h)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 12 kg</td>
</tr>
<tr>
<td>Display device</td>
<td>10.4&quot; LCD</td>
</tr>
<tr>
<td>Communication / F</td>
<td>Ethernet</td>
</tr>
<tr>
<td>Display mode</td>
<td>QWERTY, QWERTY</td>
</tr>
<tr>
<td>Display mode</td>
<td>Switching possible</td>
</tr>
<tr>
<td>Display screen</td>
<td>Displays actual CNC appearance</td>
</tr>
<tr>
<td>Display operation screen section</td>
<td>Displays actual CNC appearance</td>
</tr>
<tr>
<td>Input rating</td>
<td>languages (English, Japanese, German, French, Spanish, Italian, Chinese (Traditional), Chinese (Simplified), Korean, Portuguese, Dutch, Danish, Swedish, Hungarian, Czech, Polish, Russian, Turkish, Romanian, Bulgarian, Slovak, Finnish, Vietnamese, Indonesian)</td>
</tr>
<tr>
<td>Display mode</td>
<td>Languages (number control axis 2-axis, spindle 1 axis)</td>
</tr>
<tr>
<td>Application operation section</td>
<td>2 languages (English, Japanese)</td>
</tr>
<tr>
<td>System</td>
<td>Machining center system (number control axis 3-axis, spindle 1 axis)</td>
</tr>
<tr>
<td>Network key</td>
<td></td>
</tr>
</tbody>
</table>

**Local key**

Attached to the PC running CNC GUIDE.

**Network key**

Attaches to the network PC. Each PC acquires the license through the network, and the number of CNC GUIDE that you are licensed for can be used at the same time. (*available in the same IP segment*)

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